State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

AWC Volume SE (SC) SW W AR IN   USGS Quad KENAI A-4

Anadromous Water Catalog Number of Waterway ______

Name of Waterway ______   USGS name ____ Local name ____

Addition ✓ Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 95-516	
Revision Year: 1995	Regional Supervisor: [signature] Date: 8/26/02
Revision to: Atlas ____ Catalog ____ Both N/A	
Revision Code: F-2	Drafted ____ Date ____

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
COHO	7/12/94	~~✓~~	✓		✓
DOLLY VARDEN	"		✓		

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: SEE ATTACHED MAP & FISH HABITAT SURVEY FORM FOR STATION 1-A-1.
COHO JUVENILE APPEARED TO BE 1+ YEAR OLD (1 WINTER AS EMERGENT FRY). SAMPLING CONDUCTED AT WHAT APPEARED TO BE UPPERMOST REACH OF COHO REARING HABITAT. HABITAT QUALITY IMPROVED DOWNSTREAM TO CONFLUENCE WITH CROOKED CK. THE MARGINAL QUALITY OF THE SAMPLED HABITAT PROVIDES REASONABLE RATIONALE FOR THE RELATIVELY LOW CPUE.

Name of Observer (please print) MICHAEL WIEDMER

Date: 9/22/94   Signature: [signature]

Address: ADF&G, HABITAT & RESTORATION DIVISION
REGION II, ANCHORAGE

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: ______   Rev. 7/93

FISH HABITAT SURVEY FORM

Rev. 7/30/93

STATION NO: 1-A-1 DATE: 7/12/94 TIME: 0900

MW

OBSERVERS: TL TEAM: (A) B STREAM NO: _____

WEATHER:
- CLEAR
- PRT. CLDY.
- (CLOUDY)

STREAM STAGE:
- HIGH
- (MEDIUM)
- LOW

PRECIP:
- TODAY: TRACE
- YESTERDAY: TRACE
- THIS WEEK: _____

TEMP: AIR 50 WATER _____ GRADIENT: _____%

WATER CLARITY:
- CLEAR
- (STAINED)
- TURBID
- MUDDY
- MURKY

SUBSTRATE:

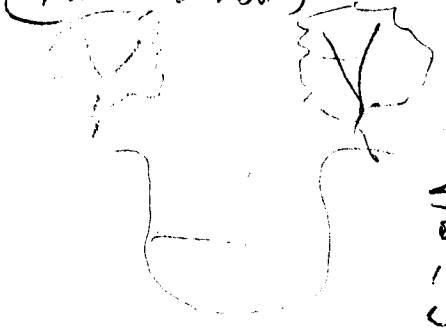
MUD	60
SAND	30
GRAVEL	10
COBBLE	
BLDR/B-ROCK	
	100%

STREAM DIMENSIONS:
- WIDTH: 3'
- DEPTH, LEFT BANK: _____
- DEPTH, RIGHT BANK: _____
- DEPTH, MID-CHANNEL: 10'

VELOCITY: None 0 | (Slow 0-1 fps) | Medium 1-3 | Fast 3+

CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):

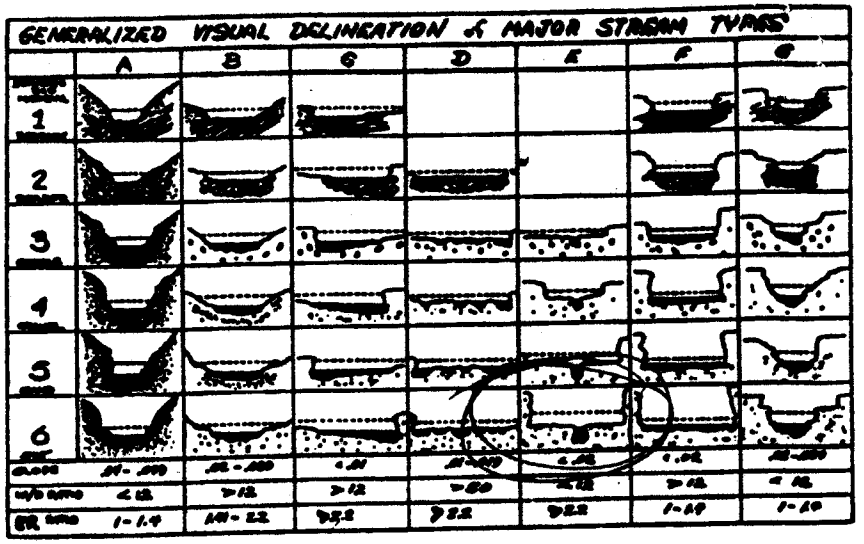
1 COHO (1YR IN STREAM) 3.5"
1 DOLLY
1 SUCKER

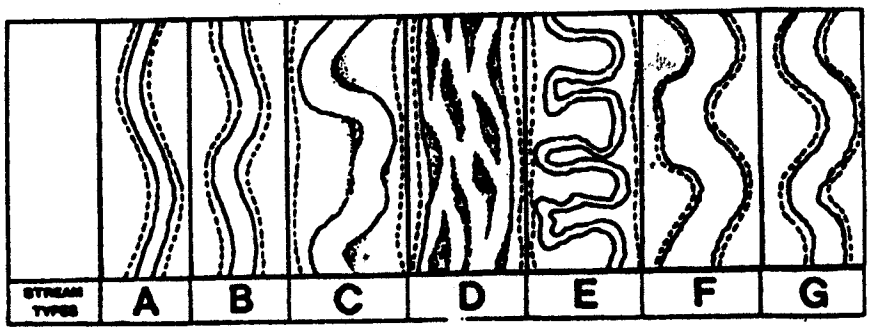


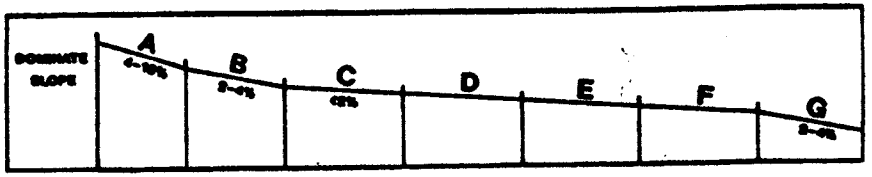
STREAM BECOMES INTERMITTANT UPSTREAM

ROLL NO. _____ FRAME NOS. _____

CIRCLE DOMINANT CHANNEL TYPE:



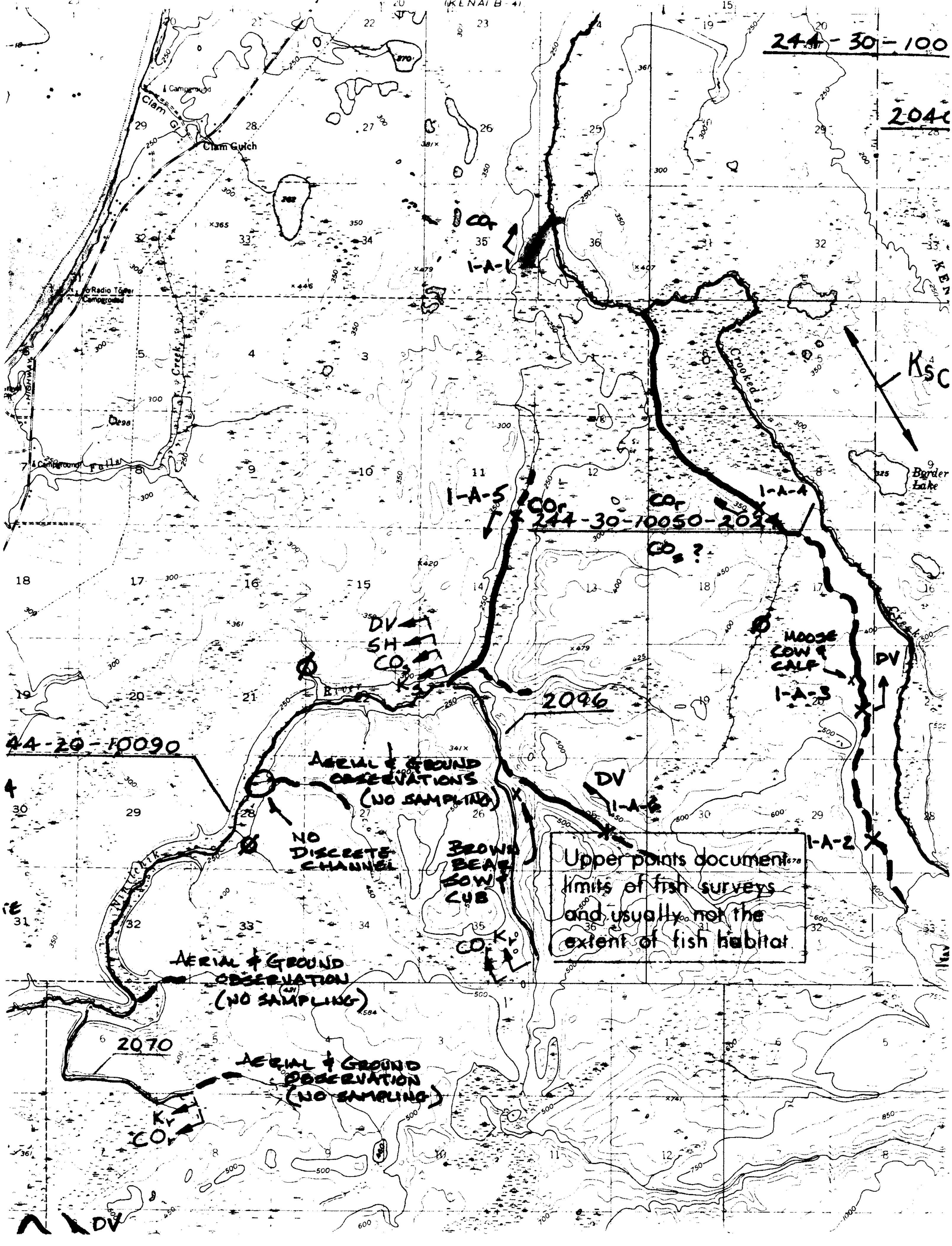




OBSERVATIONS:

CO	75	+ONE OBSERVED BUT NOT CAPTURED							
K									
S									
P									
CH									
DV	110								

FISH SAMPLING GEAR: EF TIME: 30s AREA: _____ EFFIC: _____%


(KENAI B-4)
244-30-100
2040
Clam Gulch
Campground
Radio Tower Campground
Crooked Creek
Border Lake
KSC
CO r
1-A-1
1-A-5
CO r
CO r
1-A-4
244-30-10050-2024
CO s ?
DV
SH
CO s
KS
Moose Cow & Calf
DV
1-A-3
2096
44-20-10090
Aerial & Ground Observations (No Sampling)
No Discrete Channel
Brown Bear Sow & Cub
DV
1-A-6
1-A-2
Upper points document limits of fish surveys and usually not the extent of fish habitat
CO r
K r
Aerial & Ground Observation (No Sampling)
2070
Aerial & Ground Observation (No Sampling)
K r
CO r
DV

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH & GAME

TO: Ed Weiss
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

DATE: September 23, 1994

TELEPHONE NO.: 267-2284

FAX NO.: 349-1723

SUBJECT: Fish Habitat Survey; Ninilchik River Drainage

FROM: Michael Wiedmer
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

On July 12 and 13, 1994, Tom Liebscher and I (joined by Les Christian on July 13 only) conducted a helicopter-supported fish habitat survey of portions of the Ninilchik River and Crooked Creek drainages. Tom Liebscher, a U. S. Forest Service employee in the State and Private Forestry section, is working with the Department of Natural Resources, Division of Forestry (DOF) Kenai/Kodiak Area Office in the preparation of pre-harvest silvicultural prescriptions for the Falls Creek Timber Sale. Les Christian is a DOF employee also working on the Falls Creek Timber Sale. The survey was conducted to more accurately delineate and describe fish habitat within the proposed Falls Creek Timber Sale and along potential access routes.

The survey was conducted with an Evergreen Helicopters' Bell 206 on fire contract to the DOF. With a Smith-Root battery-powered backpack electrofisher and cured salmon roe baited minnow traps, we sampled 11 stations on 9 streams. The survey identified 4 previously undocumented anadromous fish streams and established the presence of resident fish in 3 streams and extended known (resident) fish habitat in 3 additional streams (in 1 stream, the lower reach was identified as anadromous fish habitat and the upper reach was identified as resident fish habitat).

Sampling sites were located near the probable upstream limit of anadromous or resident fish distribution as determined by aerial observations. However, the availability of helicopter landing sites and the limited time available for the survey frequently prevented the survey crew from sampling the actual upper limit of fish distribution. After sampling and determining fish presence, each stream was aerially surveyed upstream of the sampling point to identify blockages to fish migration or changes in fish habitat. On the attached map, the known distribution of anadromous or resident fish is identified by a solid line. The probable distribution of anadromous or resident fish is identified by a dashed line. As a result of the dry summer, water levels were slightly lower than normal. The general area was previously

surveyed by the ADF&G in 1988[1].

In addition to site sampling, at low altitudes and slow flight speeds, we aerially surveyed portions of the drainage to determine the potential distribution of anadromous and resident fish. We identified segments of 8 streams that may support anadromous fish (see attached maps). We also identified segments of 5 streams that may support resident fish. Future surveys should focus on these streams. The low-level aerial survey also determined that 4 streams that appear on the USGS 1:63,360 maps probably do not support anadromous or resident fish (see attached maps).

Attachments (2 maps, 3 photograph folders, 11 fish habitat survey forms, Seaberg memo, and 4 anadromous fish stream nomination forms)

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[1]Seaberg to McKay, October 17, 1988 ADF&G memorandum (attached).